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IS 10450 (1983): Code for transport of fresh water aquarium fish [FAD 5: Livestock Feeds, Equipment and Systems]



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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

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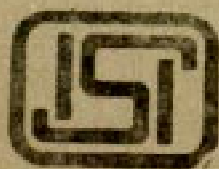


IS : 10450 - 1983

Indian Standard

CODE FOR TRANSPORT OF
FRESH WATER AQUARIUM FISH

UDC 639.337 : 639.34



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INDIAN STANDARDS INSTITUTION
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NEW DELHI 110002

Indian Standard

CODE FOR TRANSPORT OF FRESH WATER AQUARIUM FISH

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Indian Standard

CODE FOR TRANSPORT OF FRESH WATER AQUARIUM FISH

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 31 January 1983, after the draft finalized by the Live Animals Sectional Committee had been approved by the Agricultural and Food Products Division Council.

0.2 The live fish transport has been practised in India since time immemorial in open containers, with renewal of water at intervals. Recent advancements in thermal insulating materials and techniques of packing in polyethylene bags sealed with oxygen have almost replaced the traditional system. The aquarium fish stand well in this type of transport. The fish are properly conditioned to avoid heavy mortality during transport. The conditioning involves isolation of healthy specimen species-wise and keeping them in a tank either made of cement concrete or cloth HAPA planted in lenitic or lotic waters for a period (not beyond 6 hrs), which is regulated depending on the length of the distance and duration of transport.

0.3 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 The scope of this code is restricted to the conditions for transport of live aquarium fish (tropical and ornamental fresh water species) for exhibition and/or breeding purposes.

*Rules for rounding off numerical values (revised).

2. GENERAL REQUIREMENTS

2.1 The fresh water fish selected shall be disease-resistant and healthy before conditioning and packing for transport.

2.2 The fish shall be protected from extreme climatic conditions and any kind of stress.

2.3 As far as possible the fish to be packed and transported shall be of the same species/variety/strain and size. The number of fish to be packed in each container/shall depend on species/variety/strain and size.

2.4 All aquarium fish shall be transported by air and direct flights for long distances and by the fastest train for short distances.

2.5 The polyethylene bags holding live aquarium fish shall be filled 50 percent of its capacity with oxygen under a pressure of 0.5 kg per cm² and mouth of the bag shall be tied tightly so as to prevent escape of oxygen during transport.

2.6 During transport, as far as possible, jolts, splashes and any other kind of shocks shall be avoided.

3. PACKING REQUIREMENTS

3.1 Only tested, leakproof and thick (not less than 75 micron) polyethylene bags of the following dimensions shall be used for packing of aquarium fish:

- a) 62 × 40 cm,
- b) 60 × 30 cm, and
- c) 55 × 20 cm.

3.2 The polyethylene bags of the dimensions given above, used to hold live fish, shall be packed in 16.5 litres rectangular oil cans provided with lids or reinforced cardboard cartons of sturdy texture.

3.3 The reinforced cardboard cartons shall be insulated with thermocole lining from inside.

3.4 The polyethylene bag shall be filled with fresh, pure and filtered water to 40 to 50 percent of its capacity.

3.5 Certain fishes like trigger fish, catfish, prawns, lobsters, etc, shall first be packed individually in a separate bag having sufficient holes and then put in the outer polyethylene bag containing fresh, pure and filtered water.

3.6 Loading and unloading shall be undertaken quickly and be done immediately after the arrival of the consignment. When cardboard cartons are used they shall be handled carefully and gently during storage operations in aircraft, train, etc.

4. LABELLING

4.1 Each packing box, whether rectangular can or cardboard carton, shall bear a label giving following information legibly and indelibly:

- a) Name of the fish species;
- b) Strain of fish;
- c) Name, address and telephone number of the consignor; and
- d) Name, address and telephone number of the consignee.

4.2 Each container shall be also marked with cautionary notice reading as under:

'TOP PRIORITY, LIVE FISH, HANDLE WITH CARE'

4.3 Further the cardboard carton or can shall bear on the face a red arrow showing the upper side.

INDIAN STANDARDS

ON

TRANSPORT OF LIVE ANIMALS

IS :

- 3059-1981 Code for transport of monkeys by air (*first revision*)
- 3699 Code for transport of monkeys by land:
- (Part I)-1978 Transport from trapping area to the nearest rail head
 (*first revision*)
- (Part II)-1978 Transport from rail-head to the nearest airport (*second revision*)
- 3907 Code of practice for transport of laboratory animals:
- (Part I)-1977 Transport of mice, rats, rabbits, guinea pigs and cotton rates and
 hansters (*first revision*)
- (Part II)-1967 Transport of snakes
- (Part III)-1967 Transport of frogs
- 4157 Code for transport of livestock:
- (Part I)-1981 Code for transport of equines (horses, ponies mules and donkey
 by rail, road, air and sea (*first revision*)
- (Part II)-1968 Transport of cattle by rail and road
- (Part III)-1983 Transport of sheep and goats by rail and road
- 4746-1968 Code for transport of dogs and cats by rail, road and air
- 5236-1982 Code for transport of pigs by rail and road (*first revision*)
- 5237-1969 Code for transport of small and medium size seed eating birds
- 5238 Code for transport of poultry:
- (Part I)-1982 Transport of day-old chicks and turkey poult (*first revision*)
- (Part II)-1982 Transport of poultry other than day old chicks and turkey poult
 (*first revision*)